



**ANNUAL EXAMINATION
GRADE SIX
SCIENCE AND TECHNOLOGY**

Time: 1:30 Hours

NOVEMBER 2026

INSTRUCTIONS

1. This paper consists of Sections A, B and C with a total of eight (8) questions.
2. Answer all questions in the spaces provided.
3. Section A carries twenty (20) marks, Section B carries twenty (20) marks and Section C carries ten (10) marks.
4. Write your answers clearly using a blue or black pen.
5. Read each question carefully before answering.

FOR EXAMINERS' USE ONLY			
Question Number	Score	Examiner's Initials	Checker's Initials
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
TOTAL			

SECTION A (20 MARKS)

Answer all questions in this section.

1. For each item (i)–(x), choose the correct answer and write its letter in the brackets provided.
(10 marks)

(i) Which gas do green plants take in from the air during photosynthesis?

- | | | |
|-------------|-------------------|-------------|
| A. Oxygen | B. Carbon dioxide | C. Nitrogen |
| D. Hydrogen | E. Water vapour | [] |

(ii) Which part of a seed develops into the first root during germination?

- | | | |
|--------------|--------------|------------|
| A. Plumule | B. Cotyledon | C. Radicle |
| D. Seed coat | E. Flower | [] |

(iii) Which soil is generally best for growing many crops because it holds both water and air?

- | | | |
|---------------|---------------|-----------|
| A. Pure sand | B. Loamy soil | C. Gravel |
| D. Solid rock | E. Pure clay | [] |

(iv) Which component is used to open or close an electric circuit?

- | | | |
|--------------------|--------------|-----------|
| A. Cell | B. Switch | C. Bulb |
| D. Connecting wire | E. Insulator | [] |

(v) Which one is a renewable source of energy?

- | | | |
|-----------|-------------|-----------|
| A. Coal | B. Petrol | C. Wind |
| D. Diesel | E. Kerosene | [] |

(vi) Which simple machine helps people lift a load by pulling a rope over a wheel?

- | | | |
|-------------------|----------|-----------|
| A. Pulley | B. Wedge | C. Screw |
| D. Inclined plane | E. Lever | [] |

(vii) The spreading of the smell of cooking across a room is an example of:

- | | | |
|---------------|-----------------|------------|
| A. Freezing | B. Diffusion | C. Melting |
| D. Filtration | E. Condensation | [] |

(viii) In a spreadsheet, what is the name of an expression used to calculate values in cells?

- | | | |
|------------|---------------|-----------|
| A. Formula | B. Paintbrush | C. Slide |
| D. Folder | E. Speaker | [] |

(ix) Which action helps prevent environmental pollution at school?

- | | | |
|-------------------------------|------------------------------------|--|
| A. Dumping rubbish in a drain | B. Leaving waste in the playground | C. Sorting and disposing of waste properly |
| D. Pouring oil on soil | E. Leaving stagnant water | [] |

(x) What is a suitable first action for a small cut?

- | | | |
|-------------------|------------------------------|------------------------------|
| A. Put soil on it | B. Clean it with clean water | C. Rub it with a dirty cloth |
| D. Apply ash | E. Ignore it | [] |

2. Match each item in List A with its correct answer from List B. Write the letter in the Answers column. (5 marks)

List A	Answers	List B
(i) A material that allows electric current to pass through it.		A. Stomata
(ii) Tiny openings on leaves used for gas exchange.		B. Magnet
(iii) An object that attracts iron and some other metals.		C. Conductor
(iv) The natural place where an organism lives.		D. Photosynthesis
(v) The process by which plants make food using light.		E. Habitat

3. Complete the sentences by choosing the correct word from the box. Use each word once. (5 marks)

germination erosion spreadsheet pulley evaporation

- (i) The process by which a seed begins to grow is called _____.
- (ii) The wearing away of topsoil by wind or water is called _____.
- (iii) A computer program that arranges data in rows and columns is a _____.
- (iv) A simple machine with a grooved wheel and rope is a _____.
- (v) The change of liquid water into water vapour is called _____.

SECTION B (20 MARKS)

Answer all questions in this section.

4. A pupil placed two similar plants in different places. Plant A was kept near a sunny window, while Plant B was kept in a dark cupboard. Both received the same amount of water. (6 marks)

(i) Which plant is likely to grow better after several days? (1 mark)

(ii) Give one reason for your answer. (2 marks)

(iii) Name the process by which green plants make their own food. (1 mark)

(iv) State two other things, apart from water, that plants need to grow well. (2 marks)

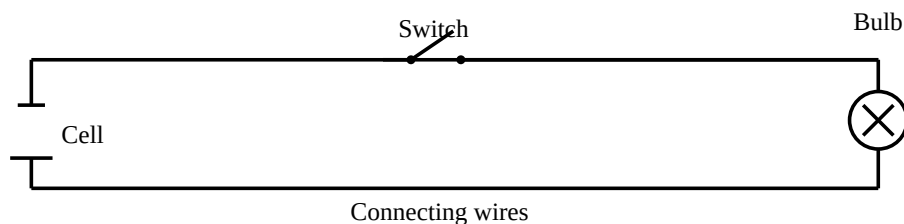
5. A school compound has rubbish scattered around, blocked drainage channels and stagnant water after rain. (7 marks)

(i) State two problems that may result from this situation. (2 marks)

(ii) Suggest three actions pupils can take to improve cleanliness at school. (3 marks)

(iii) Give two ways of preventing stagnant water from collecting around classrooms. (2 marks)

6. Study the simple electric circuit shown below and answer the questions. (7 marks)



(i) Name the source of electrical energy in the circuit. (1 mark)

(ii) State the function of the switch. (2 marks)

(iii) What happens to the bulb when the circuit is complete? (1 mark)

(iv) State two safety precautions when using electrical appliances. (2 marks)

(v) Name one material used to cover electric wires. (1 mark)

SECTION C (10 MARKS)

Answer all questions in this section.

7. A pupil put equal numbers of bean seeds on moist cotton wool in two containers. Container A was kept in a warm place, while Container B was kept in a very cold place. Both containers had enough moisture. (5 marks)

(i) What process was the pupil investigating? (1 mark)

(ii) Which container is likely to show faster germination? (1 mark)

(iii) Give one reason for your answer. (1 mark)

(iv) State two conditions necessary for seed germination. (2 marks)

8. A farmer observes that rainwater is carrying soil away from a sloping field. (5 marks)

(i) Name the process causing the soil to be carried away. (1 mark)

(ii) State two practices that can reduce soil loss on a slope. (2 marks)

(iii) Give two reasons why fertile topsoil should be conserved. (2 marks)
